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(54) **DEVICE FOR CONTROLLING TEMPERATURE
OF MOLTEN METAL AT LADLE OUTLET**

(57) Abstract:

PURPOSE: To provide a titled device which maintains the molten metal in a tundish always at a set temp. or above and stabilizes the quality and yield of a casting in pouring to a mold via the tundish by reheating the molten metal tapped from the ladle with a high frequency coil.

CONSTITUTION: The projection 8 in the bottom part of a ladle 1 contg. a molten metal 4 is installed on a stand having an annular high frequency coil 7. An outlet gate 6 is opened to pour the molten metal 4 tapped therethrough into a tundish 2 and is poured again to each mold 3 from the tundish 2. The temp. of the metal 4 is measured with an optical thermometer 9 and the output of the coil 7 is controlled 11 by a temp. controller 10. Since the molten metal 4 is always maintained at

the set temp. or above, the temp. of the molten metal to be poured into the mold 3 is stabilized and the quality and yield of a casting are stabilized as well.

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